# WITH THE FARMERS

By Prof. W. F. MASSEY



bacco.

a fertilizer for to-bacco so far as this season is concern-

W. F. Massey. ed, but I will reply to your query and you can keep it ually makes forty or more bushels of for what it is worth. All my experi- wheat an acre. But this man does ments with tobacco were made with the bright tobacco generally grown in North Carolina, and to some extent in Southside Virginia. My experiments were made on the sandhill section of North Carolina, where we experimented with fertilizers because the soil was naturally deficient in plant food, and we thought to set more accurate results than from an old soil which had been changed in its character by cultivation. The land where the experiments were made wa; covered by a thin growth of the long leaf pine. We took every tree off the land, roots and all, and prepared the sand for the experiments not only in tobacco, but all sorts of crops. We used various forms of plant food alone and in numerous combinations for tobacco. If found that the result from the use of a heavy application of phosphoric acid tresh to the time of the land, roots and all, and prepared the sand for the experiments not only in tobacco. Jefound that the result from the use of a heavy application of phosphoric acid tresh to the time of the land to the time of the land to the third bin only the heaviest and plumpest grain, and, of course, he gets a fancy price for that. He found a few years ago that some people were buying his middle quality. He has a machine for cleaning the wheat located on an upper floor in his grantary. From this machine three cnutes and all the shriveled grain and trash, used as chicken feed. In the one bin fall the shriveled grain and trash, used as chicken feed. In the one bin fall the shriveled grain and trash, used as chicken feed. In the one bin fall the shriveled grain and trash, used as chicken feed. In the one bin fall the shriveled grain and trash, used as chicken feed. In the one bin fall the shriveled grain and trash, used as chicken feed. In the one bin fall the shriveled grain and trash used as chicken feed. In the one bin fall the shriveled grain and trash used as chicken feed. In the one bin fall the shriveled grain and trash used as chicken feed. In the one bin fall the shriveled grain and trash used as chicke ments with tobacco were made with not, as many farmers do, sow wheat found that the result from the use of a heavy application of phosphoric acid resulted in thin, papery, leaves and big veins. Where potash was applied in the form of sulphate the quality was good. Where it was used as a chloride, as in the murlate of potash, the tobacco grew green too late and never matured properly. Nitrate of soda made a fine start but failed late in the season unless some organic nitrogen will be. season unless some organic nitrogen was used with it. The best form of organic nitrogen I found to be pure dried blood. From these experiments I made up the following as the best formula for dry upland soils: 500 pounds of acid phosphate, 16 per

The high grade sulphate only should

with cotton seed moal of this become with the stand grass to a great to the experiments made by the State in the experiment station that phosphoric acid is less needed than other things on the less needed than other things on the many farmers there say that they get no good results from the use of phosphoric acid. This is very different from the control of the state of the state

heat.
At seeding time the part broken in all living things in the box.

Corn After Wheat. At seeding time the part broken in May was simply a coat of fine dust with a hard settled soil below. The drill, he said, roared on it like a hard, dusty road, but it was seeded in that state. The growth was so extra strong on this part that he had the county surveyor measure it, and the best state were measured separately. There were eighteen acres in the piece. The six best acres made sixty-four and a half bushely of wheat an acre, and the best stubble well, and sow peas as I have noted.

the corn or tobacco cut off, the land "What do you can be prepared with the disk harrow consider the best run frequently till the surface is made nome-mixture of as fine as possible, with disk and fertilizer for to- smoothing harrow. Then to prevent bacco?" It is rath-er late to talk about wheat after the first white frost in the

> Sowing the Best Seed. I have mentioned a man who habit-

pends mainly on the quality of the seed used and on the careful preparation of the soil. Of course, a heavier crop will always be made on a clay loam, suited to wheat, than can be grown on a light, sandy soil, that is better suited to out hat nt.
100 pounds of nitrate of soda.
600 pounds of dried blood.
400 pounds of sulphate of potash, to

The high grade sulphate only should be used, as the low grade, or double manure salt, will not give the percentage of bottash needed on such soils, and the rate of 760 pounds an amount and make a corp of tobace that brought the highest price of the season on the Burham market. Another man in the dark, moist, soil in Eastern North Carolina fried it in the same amount, and made a rank crop of inferior tobacco. Had be considered that the result would have told him what the result would have told him the pleadmant section got the formula, and instead of making it at home, got a fertilizer manufacturer to make it for him. He reported a very poor and bally ripened crop. I asked him to send me his fertilizer bill, and he did so. They are also should be to the control of potash, but got it in a form that spotled the quality of the tobacco, and it was, I believe, done intentionally to discourage home mixing. In making I have been the carried with cotton seed meal. It has been found his excition seed meal in the experiments made by the State experiment station that phosphoric acid dark wheat the carry successfully used for vegetable crops, simply by replacing the dired holod with cotton seed meal. It has been found in the experiments made by the State experiment station that phosphoric acid dark wheat the experiments made by the State experiments station that phosphoric acid dark wheat the experiments station that phosphoric acid dark wheat the experiments and do the control of the course of the course and in the experiments and do the course of the course and i

were eighteen acres in the piece. The six best acres made sixty-four and a half bushels of wheat an acre, and the whole eighteen acres averaged fifty-four and one-half bushels an acre, or double what the remainder of the field made. But that long fellow had released so much plant food that the eighteen acres were years getting back equal to the rest of the field.

Summer Bare Fallow Too Expensive.

The best wheat farmers have nowadays largely abandoned the old bare summer fallow, as it costs too much to run a field all summer to prepare for one crop. It has been found that as corn or tobacco, makes as good a preparation for the wheat as a bare fallow, provided the land is not deeply plowed again after the hoed crop, for late plowing would prevent the proper settling of the soil that wheat needs,

## That Piano You Have---

This condition, too true with o many homes, is unnecessary,

## Pianola-Piano

no technical knowledge of music is necessary in order to play. Any one, no matter how little they know of music, may play PERFECTLY—in fact, with the expression and the technique of the great planist.

Come in and prove this statement by playing on the PIANOLA PIANO yourself.

Walter D. Moses & Co., Oldest Music House in Virginia

MERRE OF SHIMMANNY SHIPS

Mrs. Edna Wagner Dies After Four Hours of Marathon Dancing.

[Special to The Times-Dispatch.] New York, June 22.-Mrs. Edna Wagner, thirty-two, of Brooklyn, died early to-day from an acute attack of heart disease brought on by dancing the tango, turkey trot and the one step, for four continuous nours at the Marathon dance, given by the Ridgewood Block Party Association, last

More than 1,000 couples started in the annual chick party dance," which is hold on the aspinalt pavement, and only five couples, including Richard Wagner and his wife, were left at the end of more than four hours of continuous dancing. The husband was showing signs of fatigue, but Mrs. Wagner was annual to win the silver trophy offered for the winning couple, as well as to outdance several of her friends, Just as Mr. Wagner was about to tally, it should take but a small recount or the tally, and perhaps in both.

Under the circumstances, it is certain that the committee will order a recount. As this tedious work will require time, it is probable that the committee will be called to meet some afternoon this week, order supper served as the work proceeds, and endeavor to complete the recount in a single evening. With fresh men, familiar with the work, and with only nine names to



More! More!

Expect to hear this from the children when you give them these tasty

Washington CRISPS

10c.-The BIG Package of 10c. (195)

WHISKEY, MORPHINE al methods. Write for confidential in-formation THE KEELEY INSTITUTE,
Greenaboro, North Caroli

## DR. ALEXIS CARREL IS LION OF PARIS

Scientists and Fashionables Fight for Admission to His Lecture.

[Special Cable to The Times-Dispatch.]
Paris, June 22.—Dr. Alexis Carrel,
of the Rockefeller Institute of New York, is the lion of the day in Paris. Another large and excited audience to-Another large and excited audience to-day attended his illustrated lecture in the halt of the Horticultural Society. Biologists and surgeons, savants and fashionables, fought for admission, and when, at the end of his lecture, Dr. Carrel demonstrated that the de-tached organs of a cat, the heart, lungs, thorax, abdomen and intestinal tube, could continue to act normally cold thrills ran up and down the spines of the spectators.

of the spectators.

The singular modesty and impersonality of Dr. Carrel helped to impress Porisions who look on him as a successor of Pasteur. Dr. Carrel paid high tribute to Americans at the ex-pense of his own countrymen. He

"You do not know how to construct. On the contrary, I find every one in America is receptive to constructive ideas and full of enthusiasm. Amerian savants love science for its own

Without raising his voice above normal, Dr. Carrel proclaimed his faith in the efforts of humanity to regenerate all withering things. "Nations are cured and revivified like sick men." said Dr. Carrel. "In one

# VOTE THROWN OUT AT SEVEN BOXES,

(Continued From First Page.)

of her friends.

Just as Mr. Wagner was about to drop out, the band struck up a lively "rag" and up and down the block the Wagners "trutted" with increased en-Mrs. Wag-d's arms to of accounting.

Full Text of Petition.

Wagners articled with interest of election amounts of the properties of the properti

mittee until after daylight of the morning of June 13, it would be more than remarkable if the election ofthan remarkable if the effection of the fivers, being human, did not make mistakes, either in reading the ballots or in making the tally, or in both;

mistakes, either in reading the ballots or in making the tally, or in both; and your petitioner believes that a number of mistakes were so made, sufficient in the agarcsate to materially alter the results disclosed on the face of the returns.

Observed Separate Rules.

Tour petitioner would further call attention to the following paragraph in Section 9, of the plan adopted by your committee: "Should the voter in marking his ballot vote for more or less than the number required to be voted for each office, under all the circumstances in the strength of the thermore or less than the number required to be voted for each office, under all the circumstances in the face of the returns as that particular office, and shall is not only desirable, but should be held to be defective only as to that particular office, and shall other portions." In pursuance of this provision in the plan, it would seem that the cleation officials in seven process which did not contain exactly five names. These precincts were as follows: Second Lee, where the total vote.

Can be no dispute, and therefore, your petitioner heads and representation by people from all over the country who have visited.

MAYOR CAMEBOO TO GO ABROAD Granted Three Months' Leave of Absence by Country who have visited.

MAYOR CAMEBOO TO GO ABROAD Granted Three Months' Leave of Absence by Country who have visited.

MAYOR CAMEBOO TO GO ABROAD Granted Three Months' Leave of Absence by Country who have visited to a representation by people from all over the country who have visited.

MAYOR CAMEBOO TO GO ABROAD Granted Three Months' Leave of Absence for the country was known as Company was known as Com lows: Second Lee, where the total vote

turned was 775; Third Clay, where the total vote returned was 2,450; First Madison, where the total vote returned was 2.480; Second Madison, where the total vote returned was 2,425; Third Madison, where the total vote returned was 1,070.

of the Sky."

In each of the remaining precincts

Says There Is No Dispute Of the fact that irregularities and inaccuracies did occur somewhere there can be no dispute, and therefore, your

Respectfully submitted, JOHN A. CURTIS

## OFFICIAL VOTE FOR HOUSE OF DELEGATES

Graham B. Hobson
Edwin P. Cox
William M. Myers
Hill Montague
D. L. Toney
John A. Curtis
James E. Cannon
James J. Creamer
J. Taylor Stratton 1,910 1,502 6,073 1,673 1,335 6,140 1,556 1,085 5,394 1,469 970 5,005 1,484 1,265 4,773 1,652 924 4,721 1,129 933 4,684 1,428 1,004 4,403 1,428 1,004 4,403 7,38 646 2,758 2,181 1,583 1,661 1,483 1,350 1,492 1,274 858 697 516

# News of Petersburg

S. E. BURGESS, Division Passenger Agent, 907 E. Main St., Richmond.

Write for beautifully illustrated booklet on "The Land of the Sky." Specially reduced fares for summer.

Liberal stop-overs. Besides America's most charming all-year-round vacation district, Southern Railway System

embraces territory offering unusually remunerative investment in fruit culture, farming and manufacturing.

There has been some suggestion of a preferential primary to indicate the choice of the people for corporation judge to be elected by the Legislature judge to be elected by th

Fifty-two votes is a very small proportion of the grand total of 9,468, and your petitioner feels, in justice to the 4.721 citizens who voted for him, the follows that the method adoption that a recount of the ballots should be ordered and had by your honorable committee. Attention is called to the fact that the polls opened at 4:50 on the morning of June 12, and closed at 7:29 that evening. The mere tact of remaining in the several polling precipits of a hard day's work, but when an account is taken of the confined and nacrow quarters provided for the election officers in which to count the ballots and make their returns, and when it is further considered that many it is further considered the precincts was wrong. On the continue method, do not the confined with interesting and impressive ceremonies, held under the auspices of the Ladies Memorial Association, and in the presenc in the world. Every State forming a part of the Southern Confederacy is part of the Southern Confederacy is Confederate soldier. He enlisted in Confederate soldier. He enlisted in part of the Southern Confederacy represented in its memorials. For miration by people from all over the George and Petersburg, of which country who have visited.

Enrollment of Students for Six Weeks'
Term Will Begin To-Dny.

A six weeks' vacation school author-Term Will Begin To-Dny.

A six weeks' vacation school authorized by the Councils will be given tothe Halifax Street and Blandford Misized by the Councils will be given tomorrow morning at the High School,
under the supervision of Teachers H.
T. Wolff and J. Z Anderson, and at the
R. E. School, under the supervision of
Miss Hobbs, assisted by Misses Plicher
and Myers. It is expected that many
of the hove and girls designed of keep.

Children Cry FOR FLETCHER'S

Times-Dispatch Bureau, 5 Bollingbrook Street, (Telephone 1485)

The Land of the Sky

Get away from your business cares and

Drink in the life-giving coolness of the pure mountain air, relax at your ease in the lux-

urious hotels or enjoy the healthful diversions of

COUTHERN RAILWAY

Premier Carrier of the South

The hotels in "The Land of the Sky," sumptuous in their appointments, are noted for the unparalleled beauty of their surroundings. High on a mountain

Asheville, Black Mountain, Hendersonville, Brevard,

Lake Toxaway, Saluda, Waynesville, Tryon, Flat Rock, Hot Springs, N. C., and other resorts. For tickets and information apply to Dep't. A,

warm-weather discomforts to the mountains of Western North Carolina-"The Land

out-door sports. Excellent train service on

top or reposing on the shore of some exquisite

lake, each has attractions to charm the visitor.

Private cottages and boarding houses also at

work for a few hours only each morning.

1861 in a campaign organized in Prince

A. McClure, pastor of the Second Pres-byterian Church, Major McClure has just returned from a trip to Scotland.

and Myers. It is expected that many of the boys and girls desirous of keeping up in their studies and ambitious of promotion, will take advantage of Methodist Sunday School Association was held this afternoon in the Memowal Methodist Sunday School Association was held this afternoon in the Memowal School Association of Methodist Sunday School Association was held this afternoon in the Memowal School Association of the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon in the Memowal School Association was held this afternoon was held this afternoon was held the school as the Memowal School Association was held the school as the school Association was held the school Association was held the school as the school as the school Association was held the school as th rial Church on Washington Street, good program was rendered, and the reports of enrollment and attendance the various schools was very satis-

CASTORIA Carence A. Spain, of this city, died in the Petersburg Hospital this morning after an illness of some days.